

Title (en)

Clamping device

Title (de)

Spannvorrichtung

Title (fr)

Dispositif de serrage

Publication

**EP 0930130 A3 20010207 (DE)**

Application

**EP 99100659 A 19990114**

Priority

DE 19801433 A 19980116

Abstract (en)

[origin: EP0930130A2] The clamping system consists of a pneumatic or hydraulically operated adjusting drive with an interface for the pressure medium and the electro-connections (2, 8). The system is designed so that at the side of the adjusting drive away from the head, functionally different connection modules (I to IV) are oriented to each other formed at right angles to the axis of the adjusting drive and interface for the pressure medium connections (2). The connection modules are designed as end piece and intermediate piece modules. A connecting module (V, V') is provided.

IPC 1-7

**B25B 5/06**; **B25B 5/12**; **B25B 5/16**

IPC 8 full level

**B25B 5/06** (2006.01); **B25B 5/12** (2006.01); **B25B 5/16** (2006.01); **F15B 15/20** (2006.01); **F15B 15/28** (2006.01)

CPC (source: EP)

**B25B 5/061** (2013.01); **B25B 5/122** (2013.01); **B25B 5/16** (2013.01); **F15B 15/202** (2013.01); **F15B 15/2807** (2013.01)

Citation (search report)

- [DA] DE 8714390 U1 19890302
- [A] DE 9105755 U1 19910627
- [A] DE 9016781 U1 19920409
- [A] DE 19616441 C1 19970626 - TUENKERS MASCHINENBAU GMBH [DE]

Cited by

CN110573751A; EP1371452A3; GB2414503A; GB2414503B; AU2004236389B2; US11274683B2; US6755115B2; US7428861B2; WO2018202290A1; WO2004099628A1; WO02068828A1; WO0234473A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0930130 A2 19990721**; **EP 0930130 A3 20010207**; **EP 0930130 B1 20030611**; DE 19801433 A1 19990722; DE 59905895 D1 20030717; ES 2195453 T3 20031201

DOCDB simple family (application)

**EP 99100659 A 19990114**; DE 19801433 A 19980116; DE 59905895 T 19990114; ES 99100659 T 19990114